



REAGENT-LESS WHOLE-BLOOD GLUCOSE METER

Bernhard B. Sterling et al.

Appl. No.: 10/055,875 Atty. Docket: OPTIS.039A

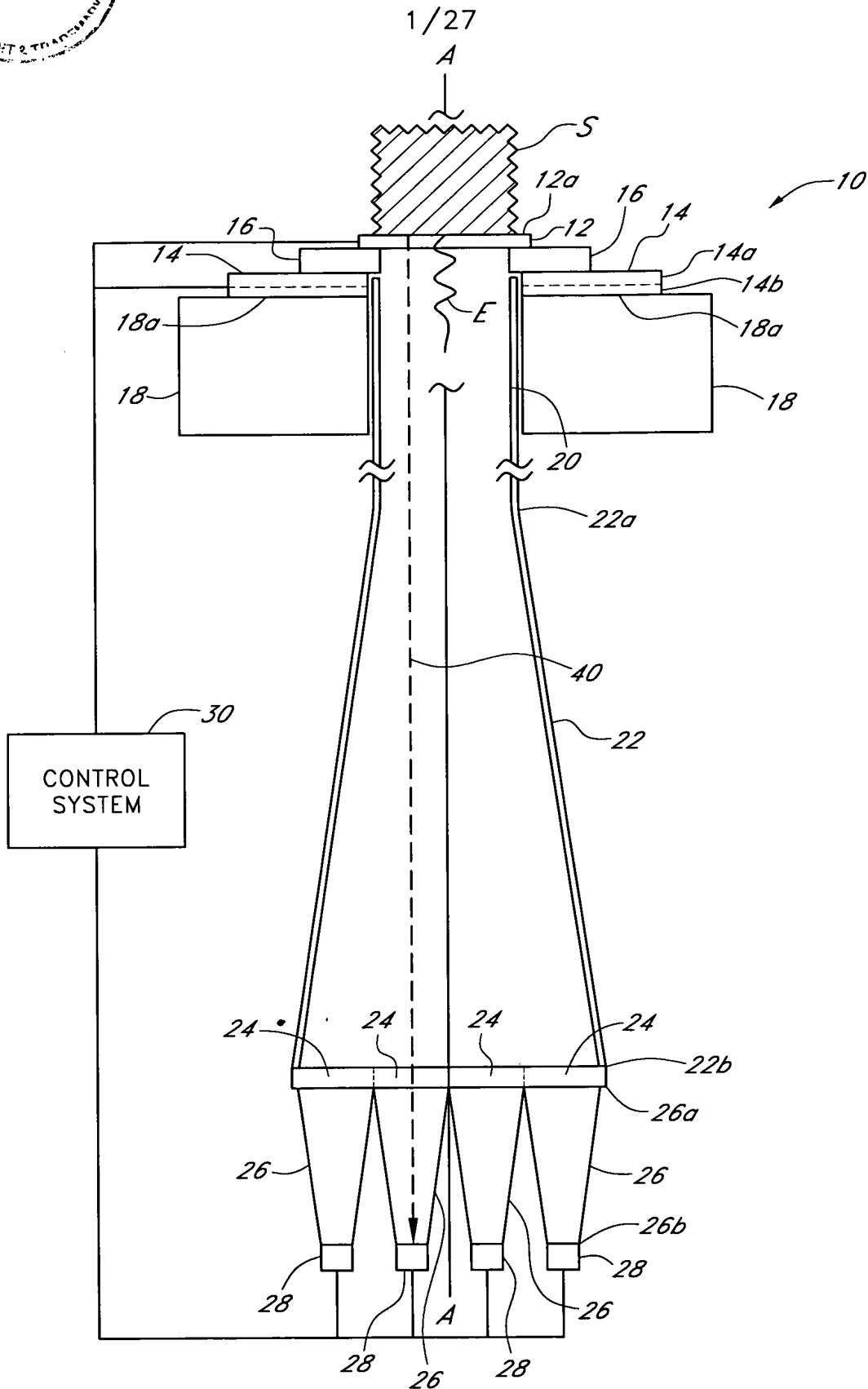
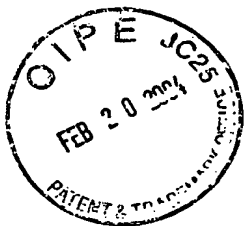


FIG. 1



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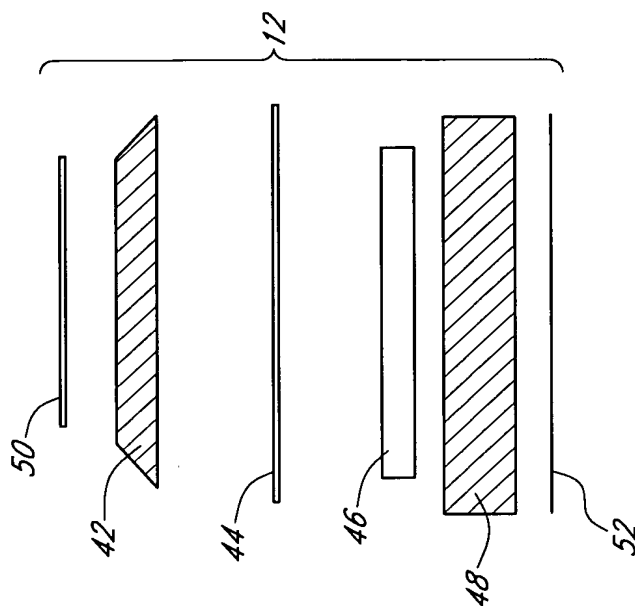


FIG. 3

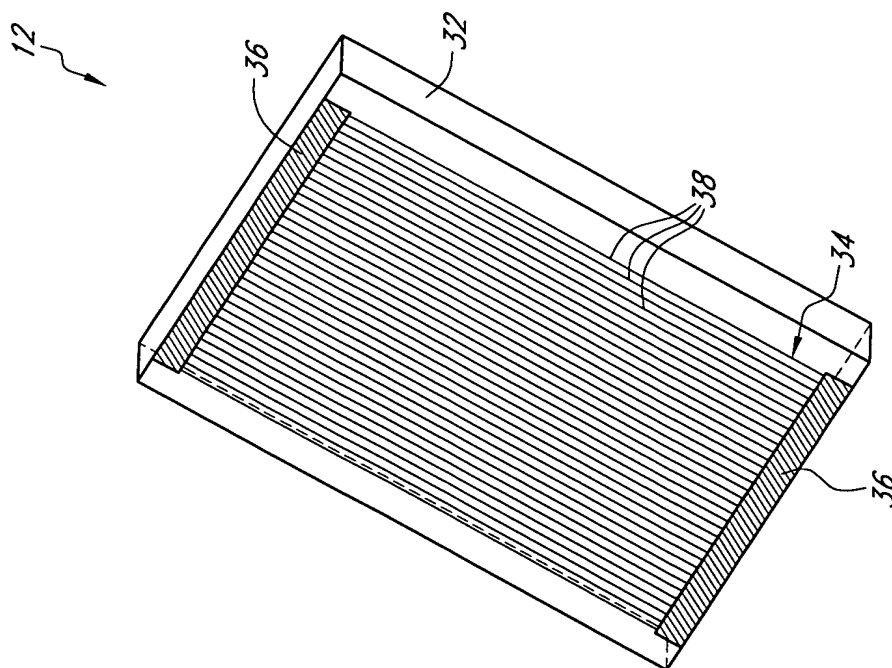


FIG. 2



REAGENT-LESS WHOLE-BLOOD GLUCOSE METER

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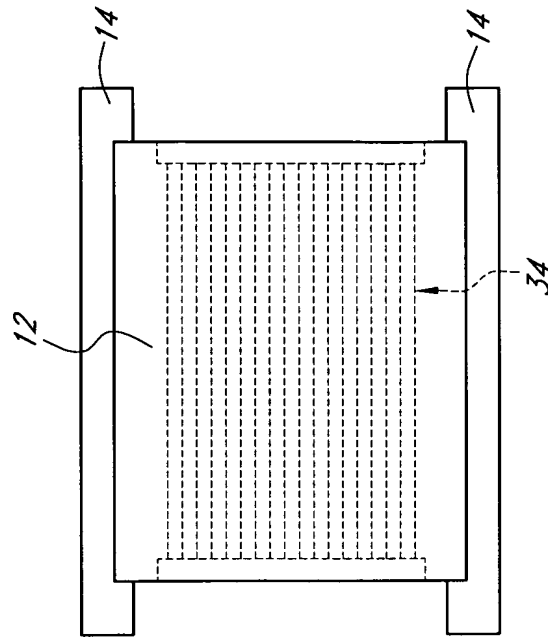


FIG. 5

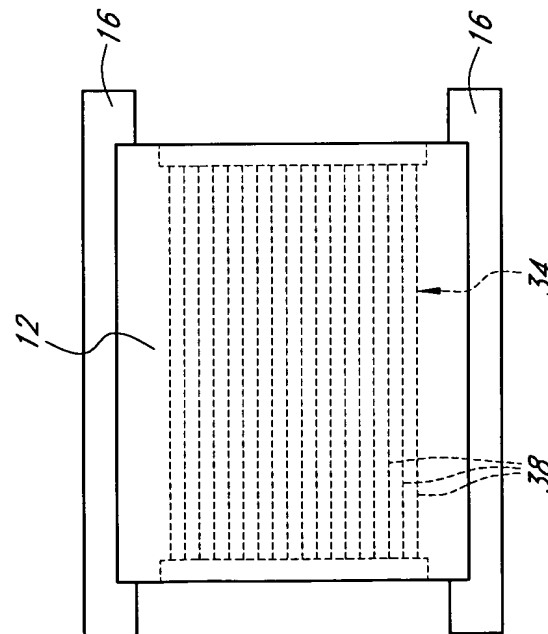


FIG. 4



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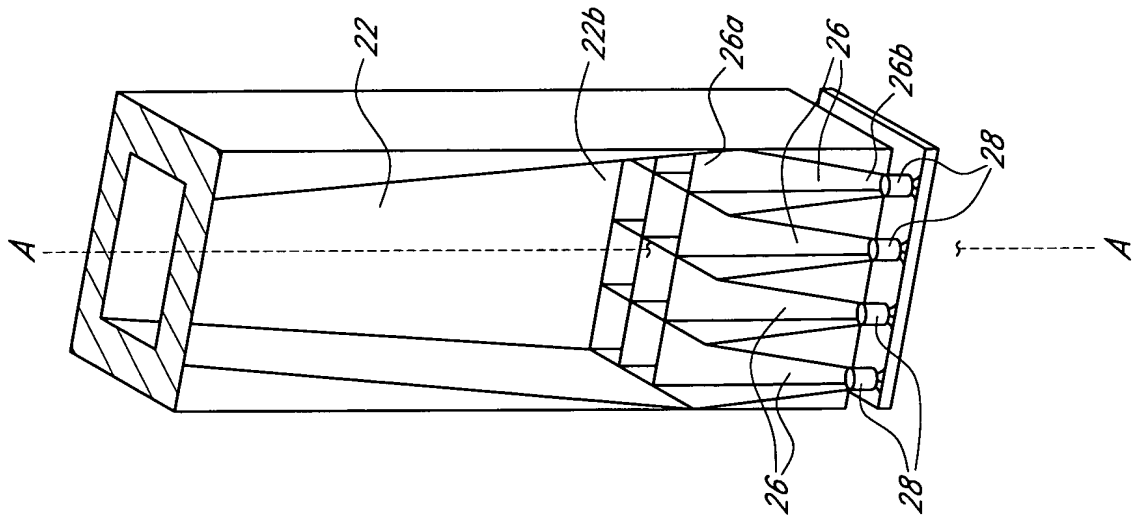


FIG. 6A

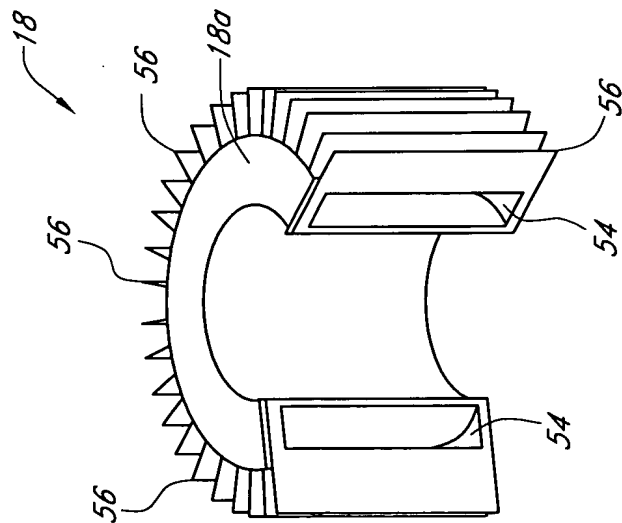
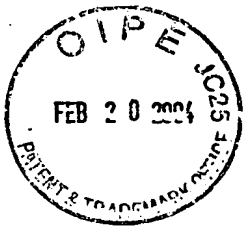


FIG. 6

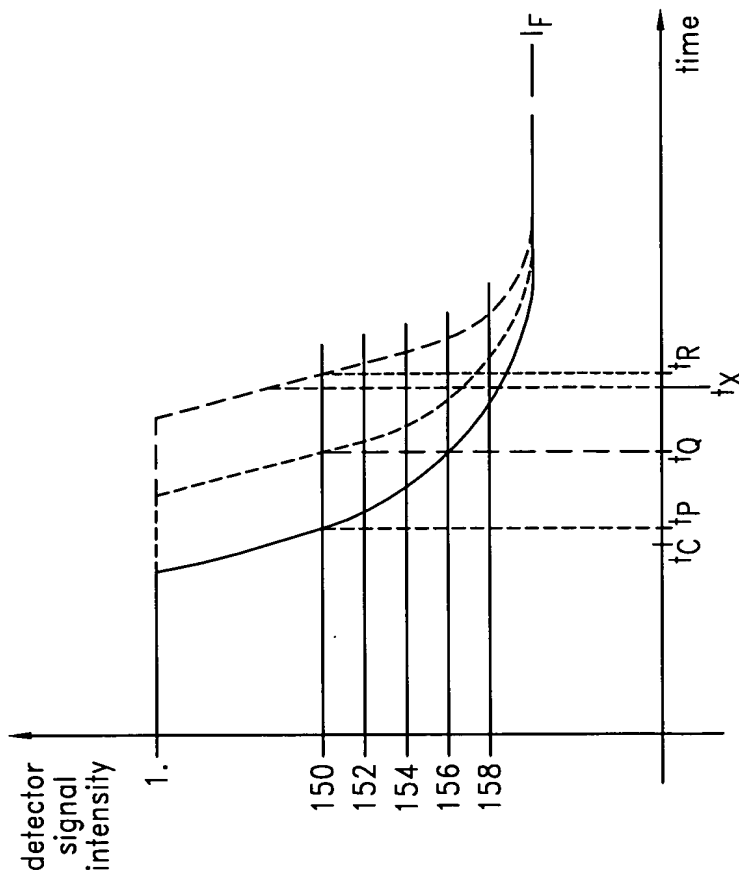




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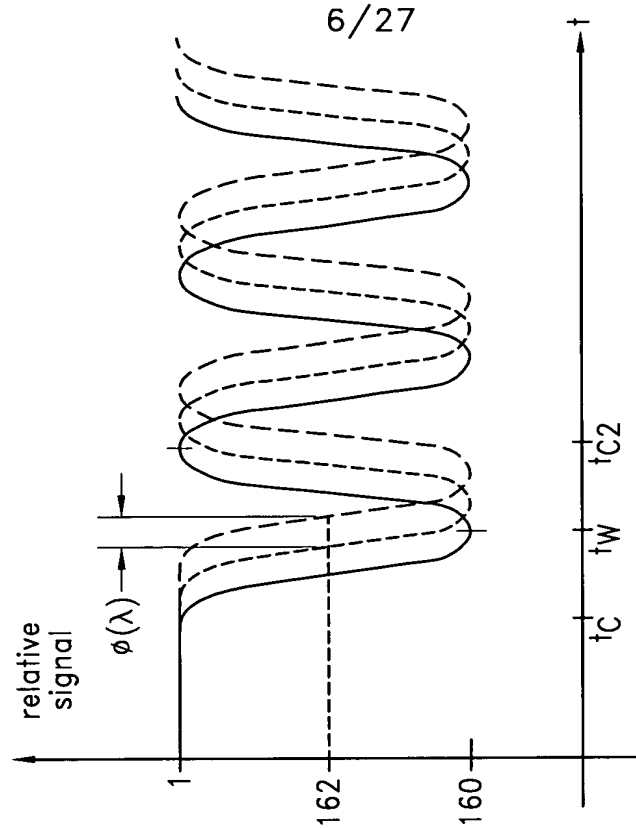
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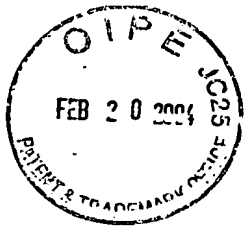
P — surface tissue reference λ signal
Q - - - analytical signal
R - - - deep tissue reference λ signal

FIG. 8



J — surface tissue reference signal
K - - - analytical signal
L - - - deep tissue reference signal

FIG. 9



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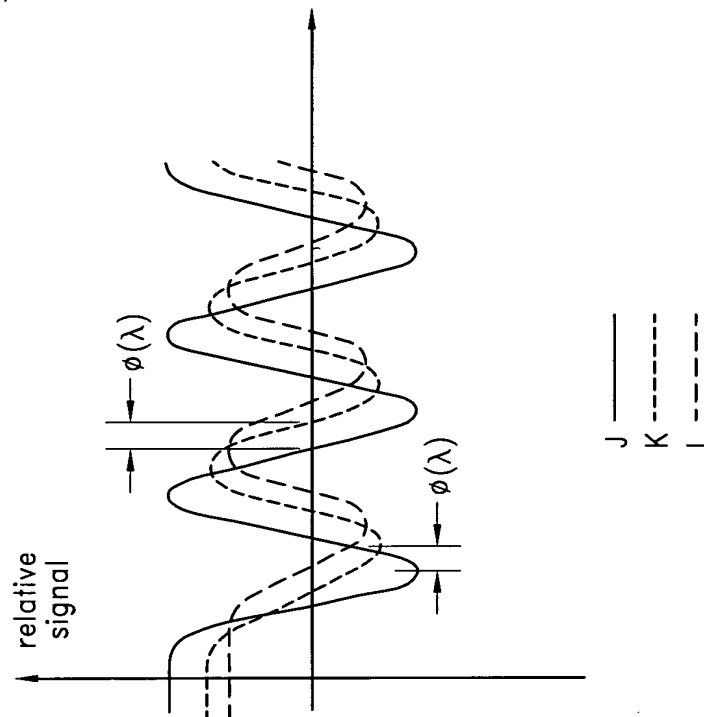
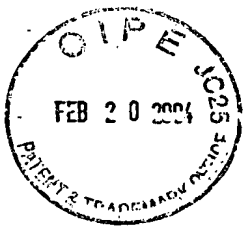


FIG. 10



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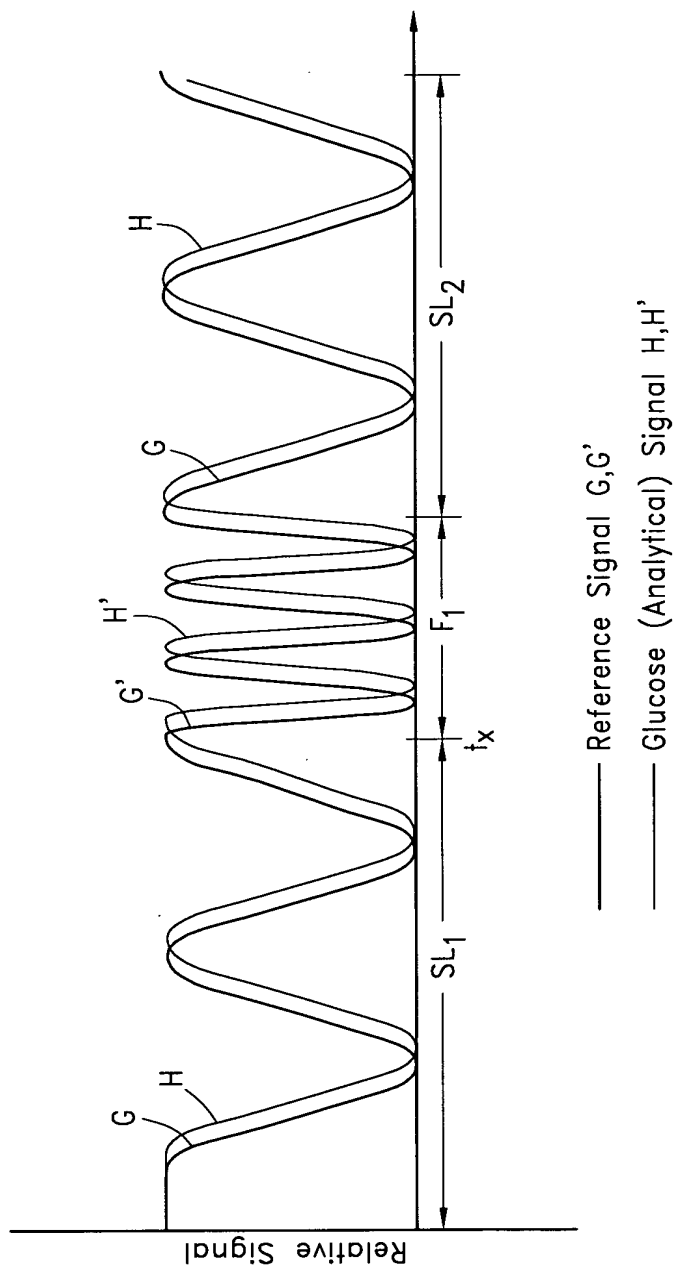
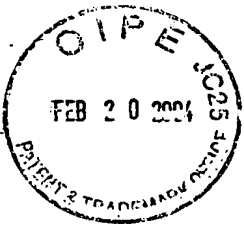


FIG. 11



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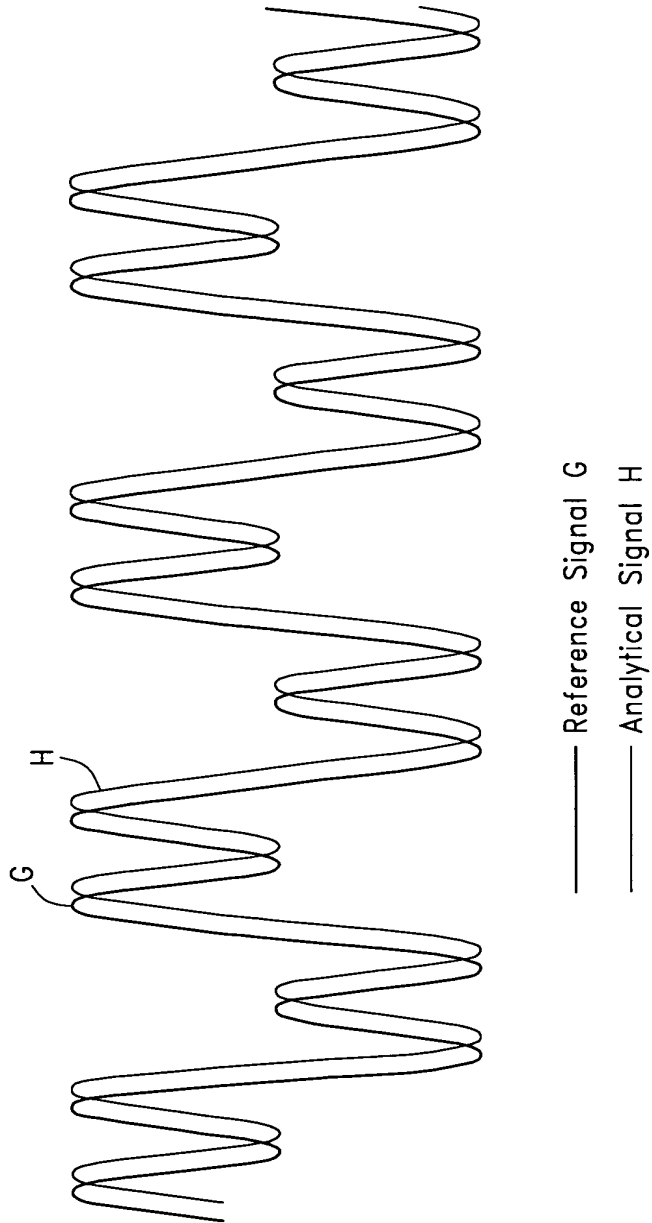


FIG. 12



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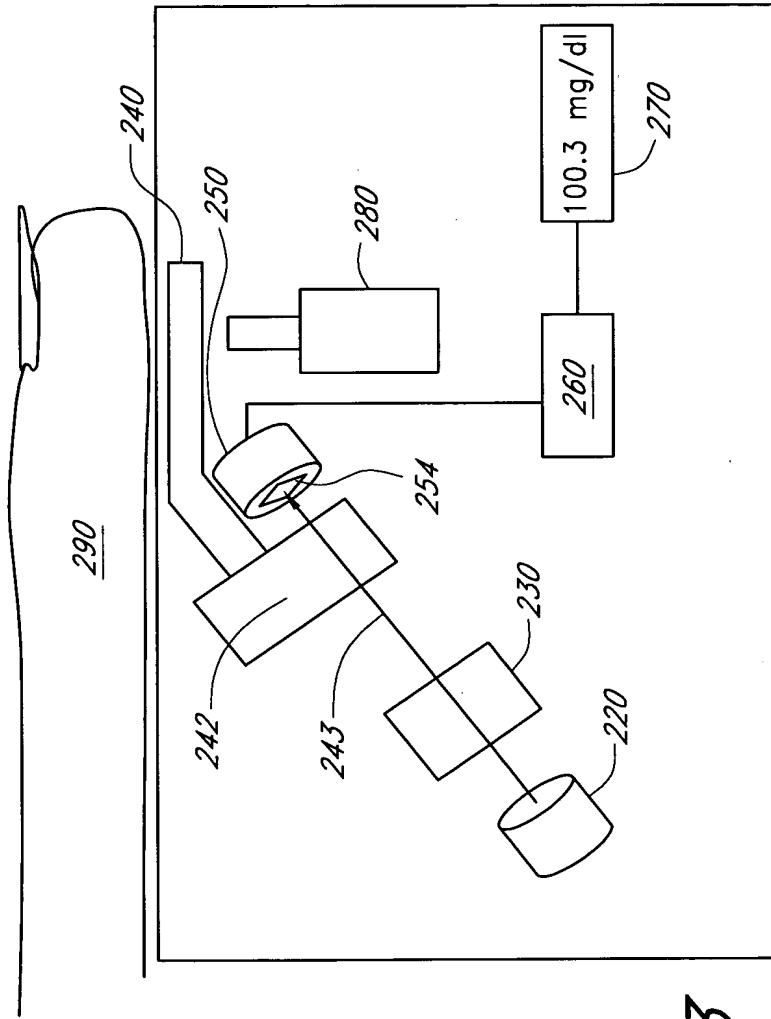


FIG. 13

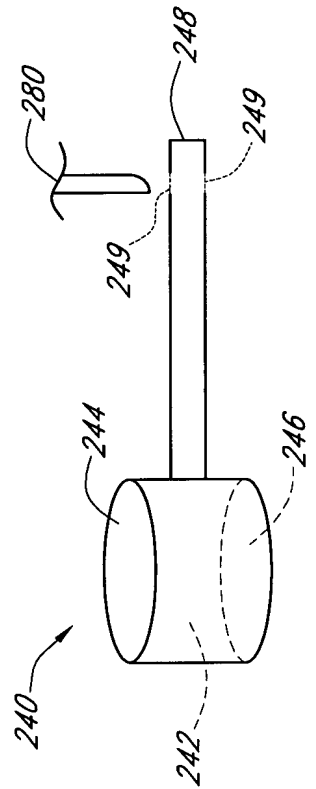
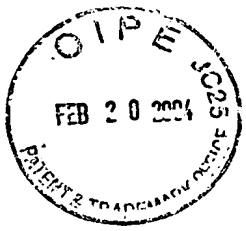


FIG. 14



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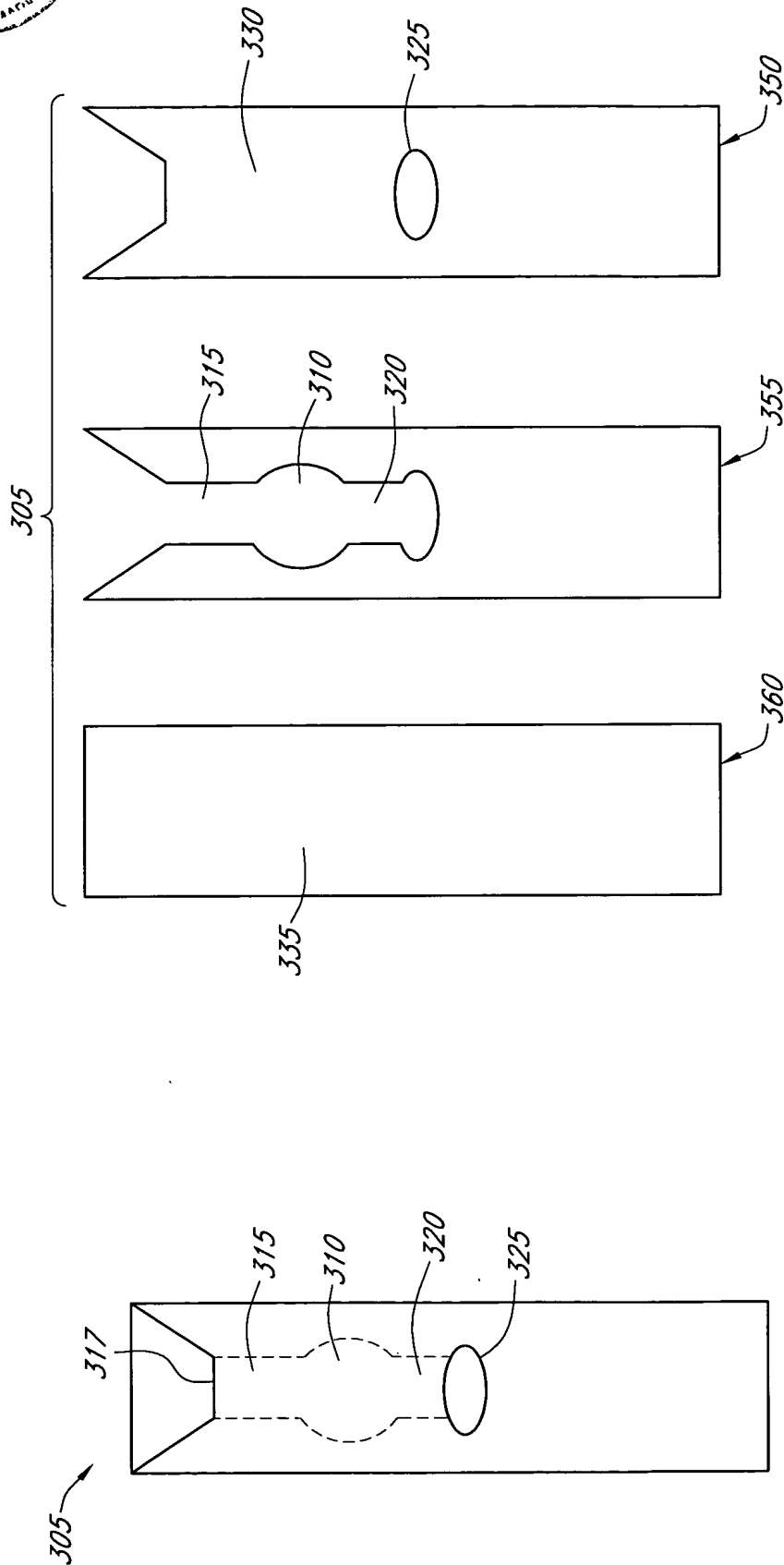


FIG. 16

FIG. 15

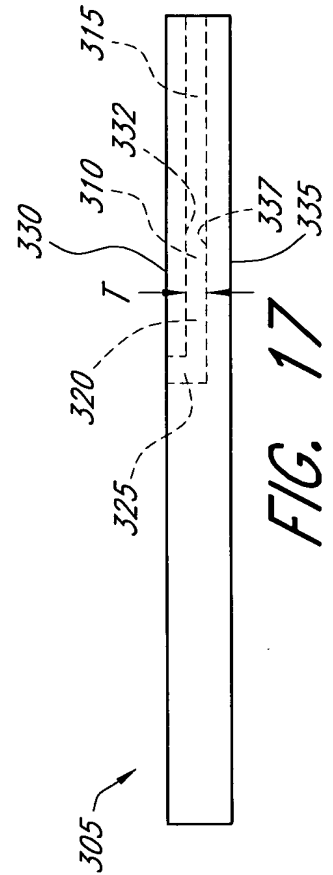


FIG. 17

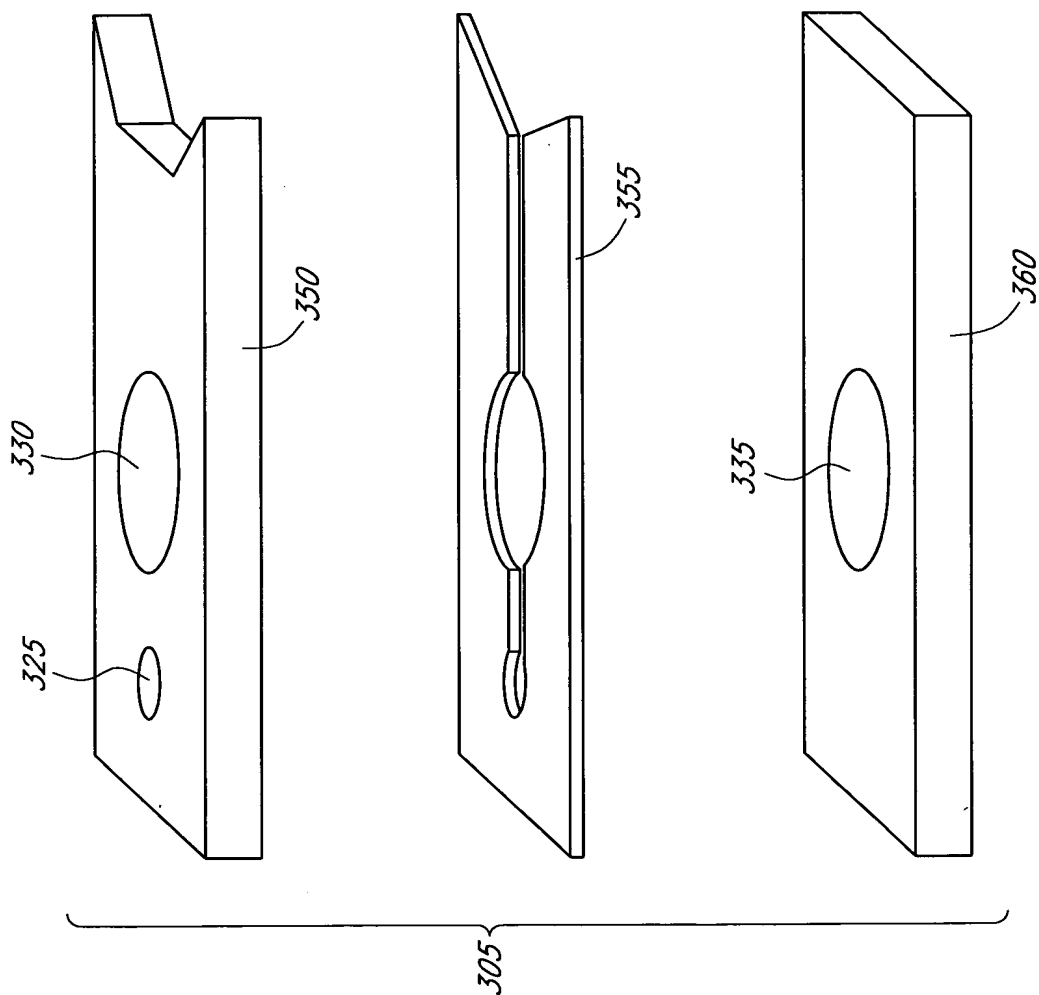


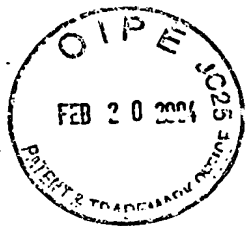
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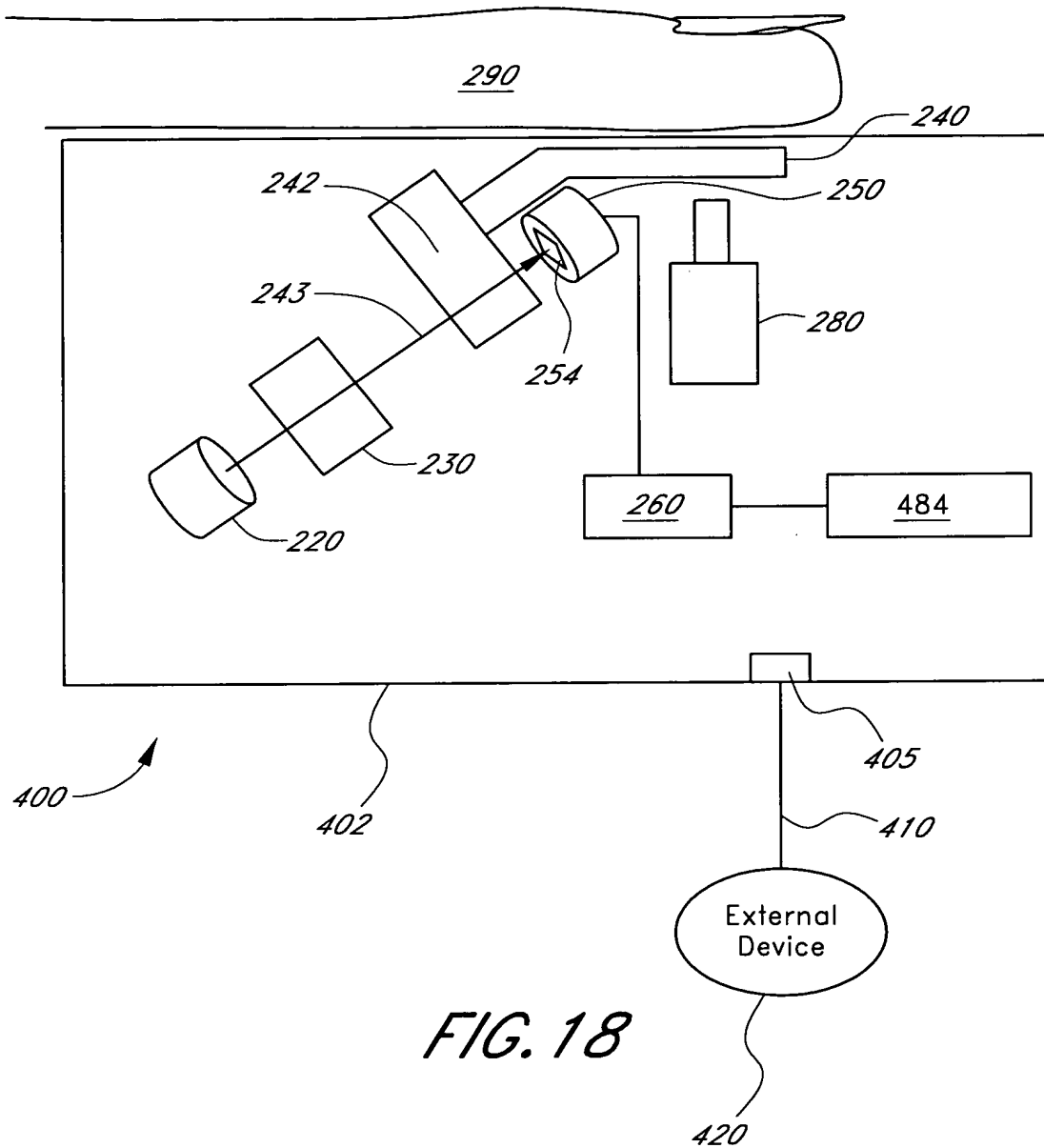


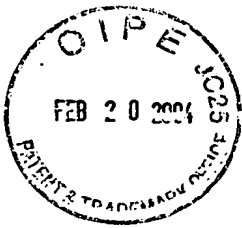
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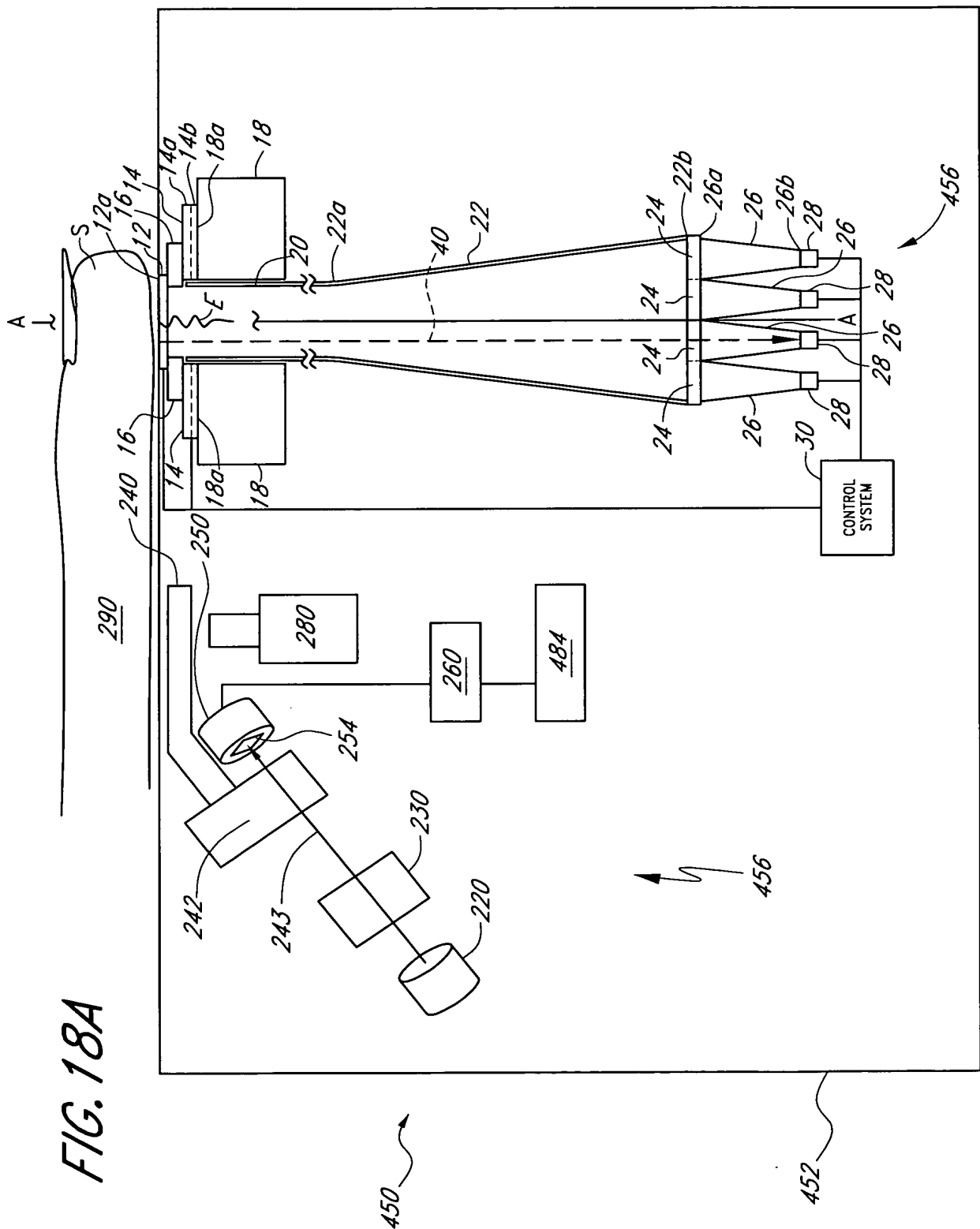


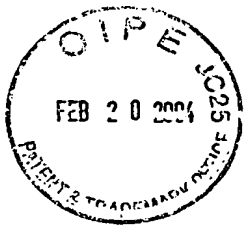
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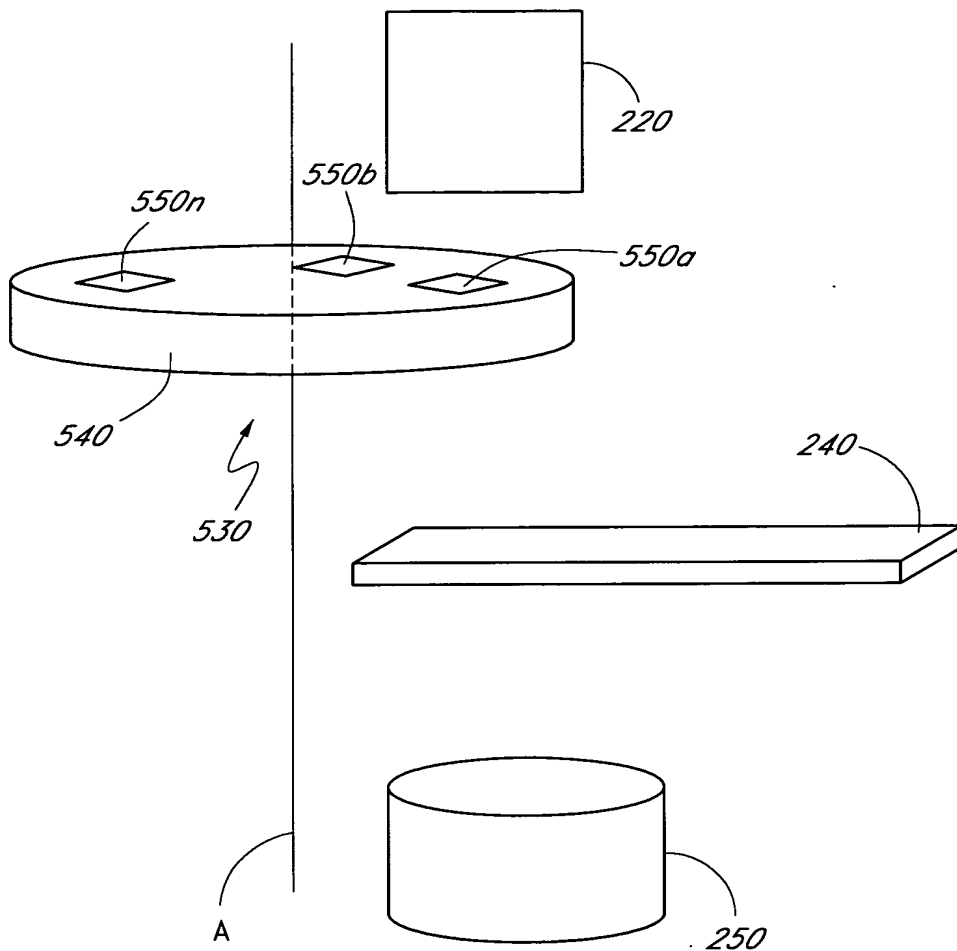


FIG. 19



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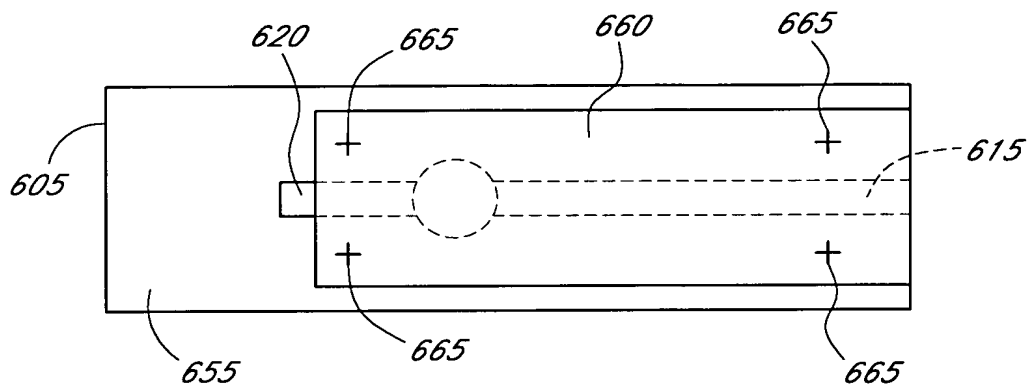


FIG. 20A

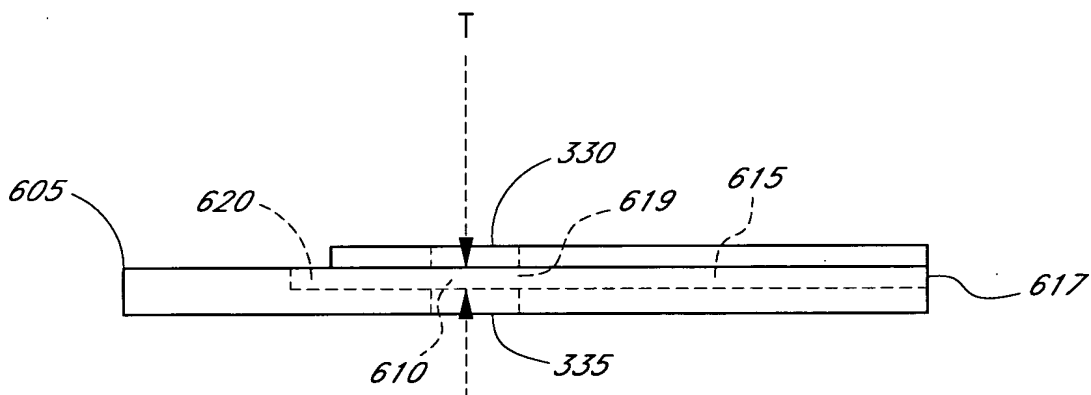
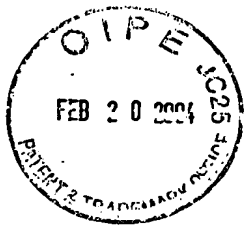


FIG. 20B



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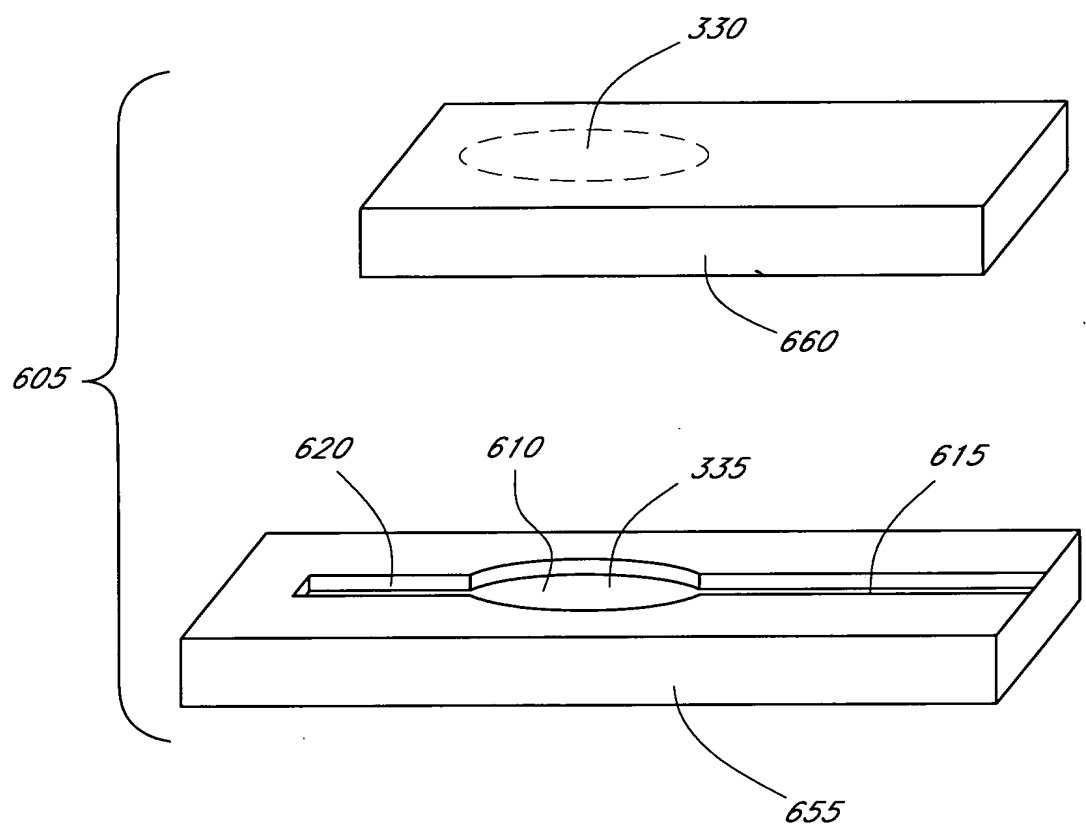


FIG. 20C

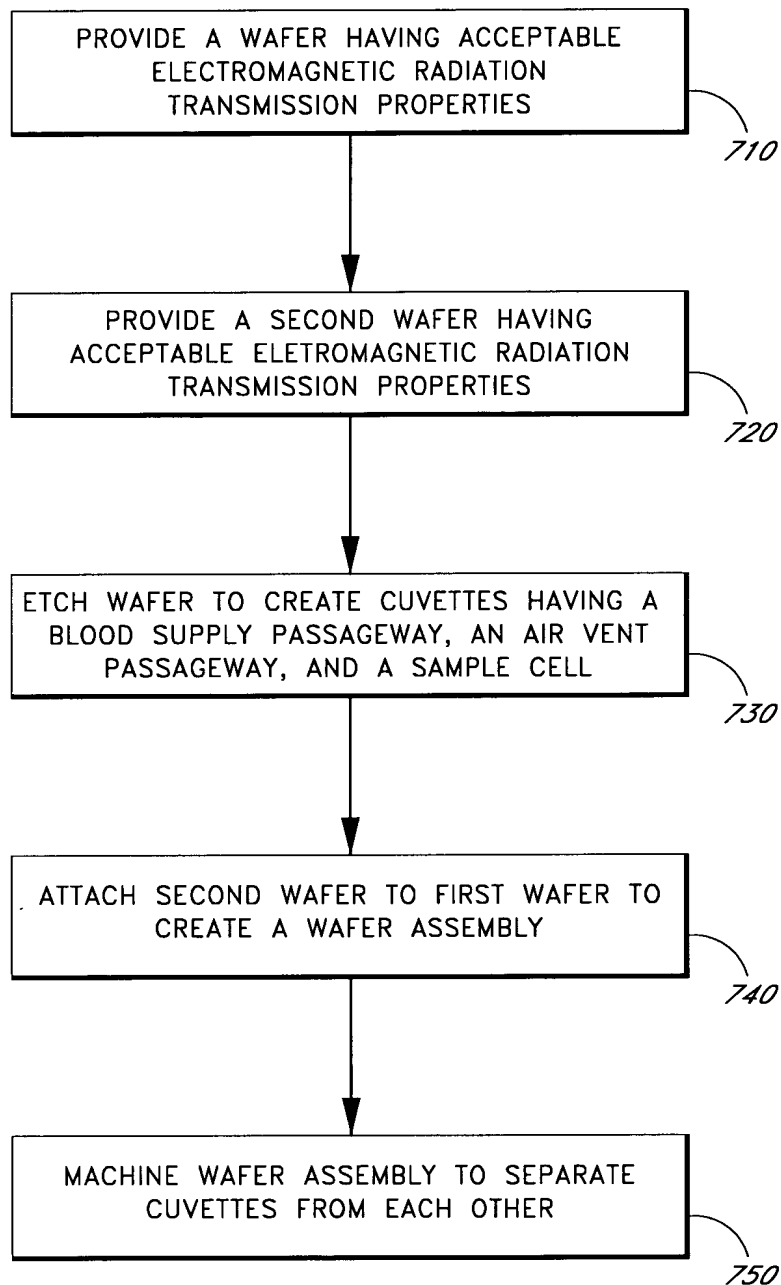
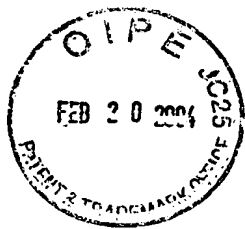
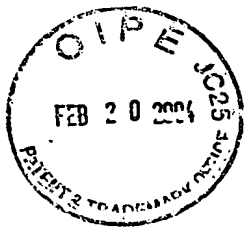


FIG. 21



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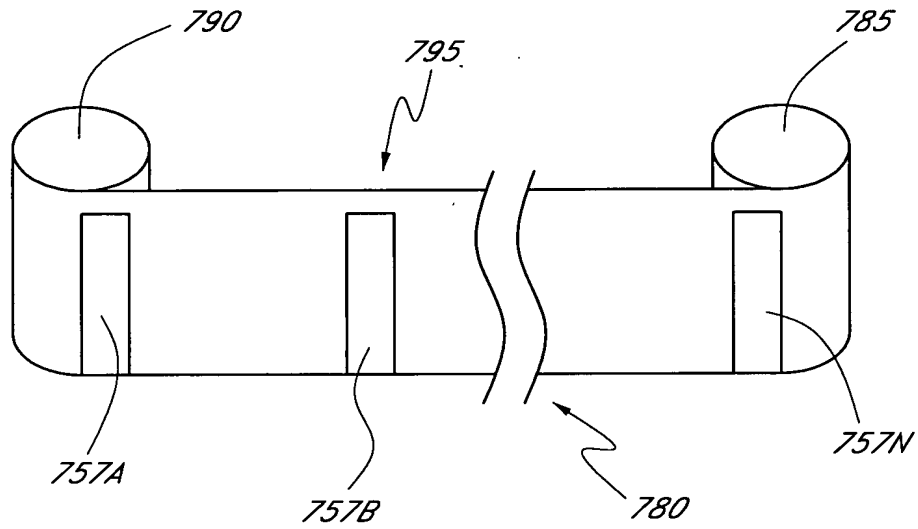


FIG. 22

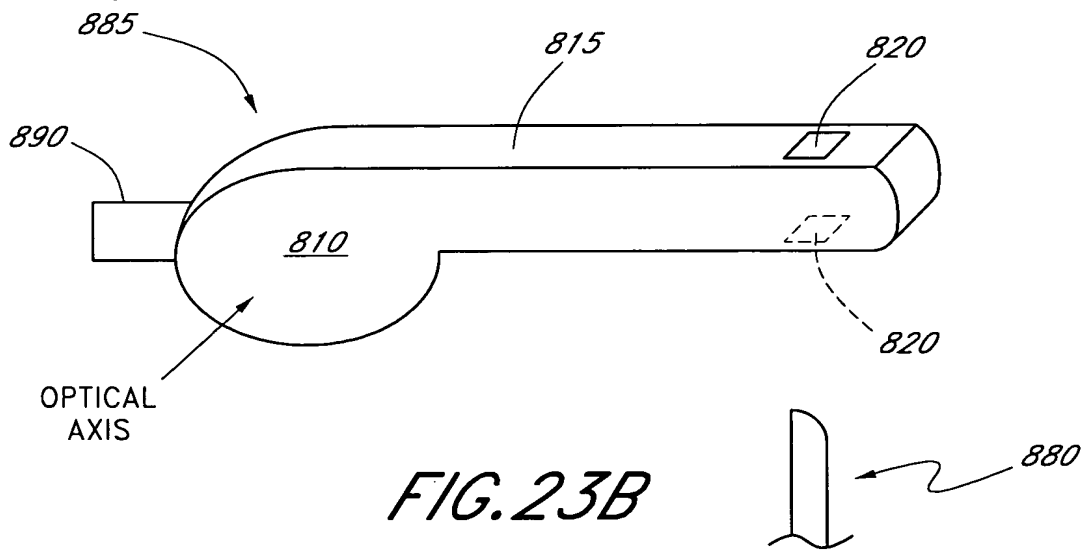
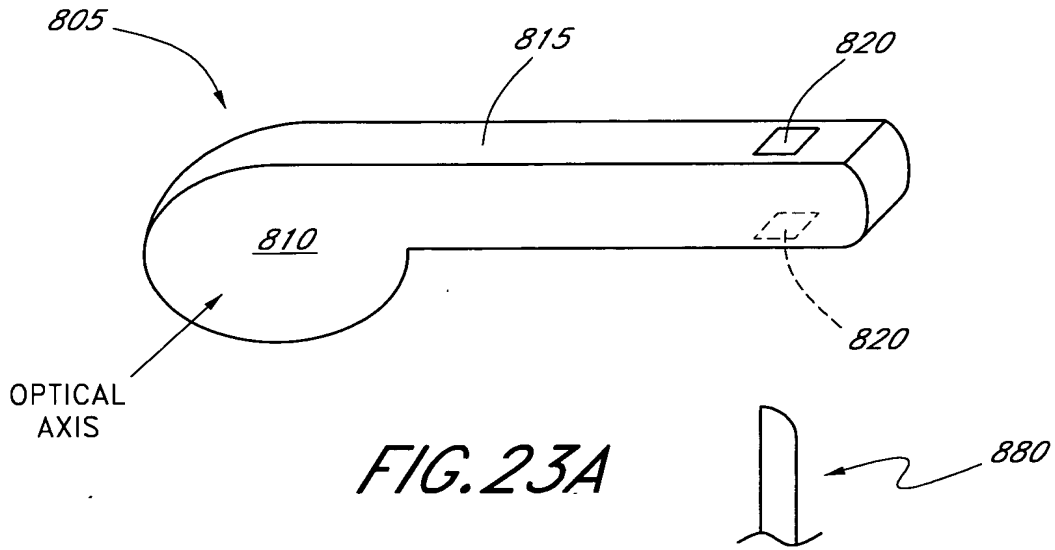


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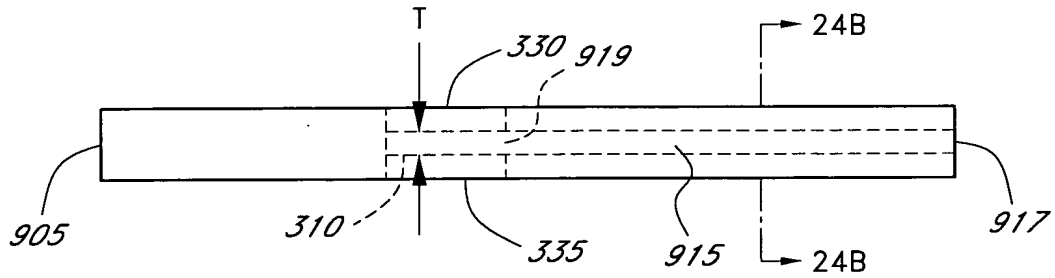


FIG. 24A

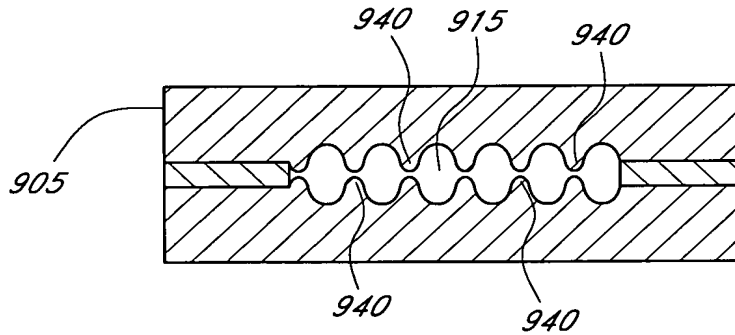
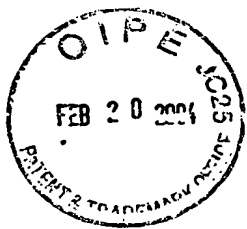


FIG. 24B



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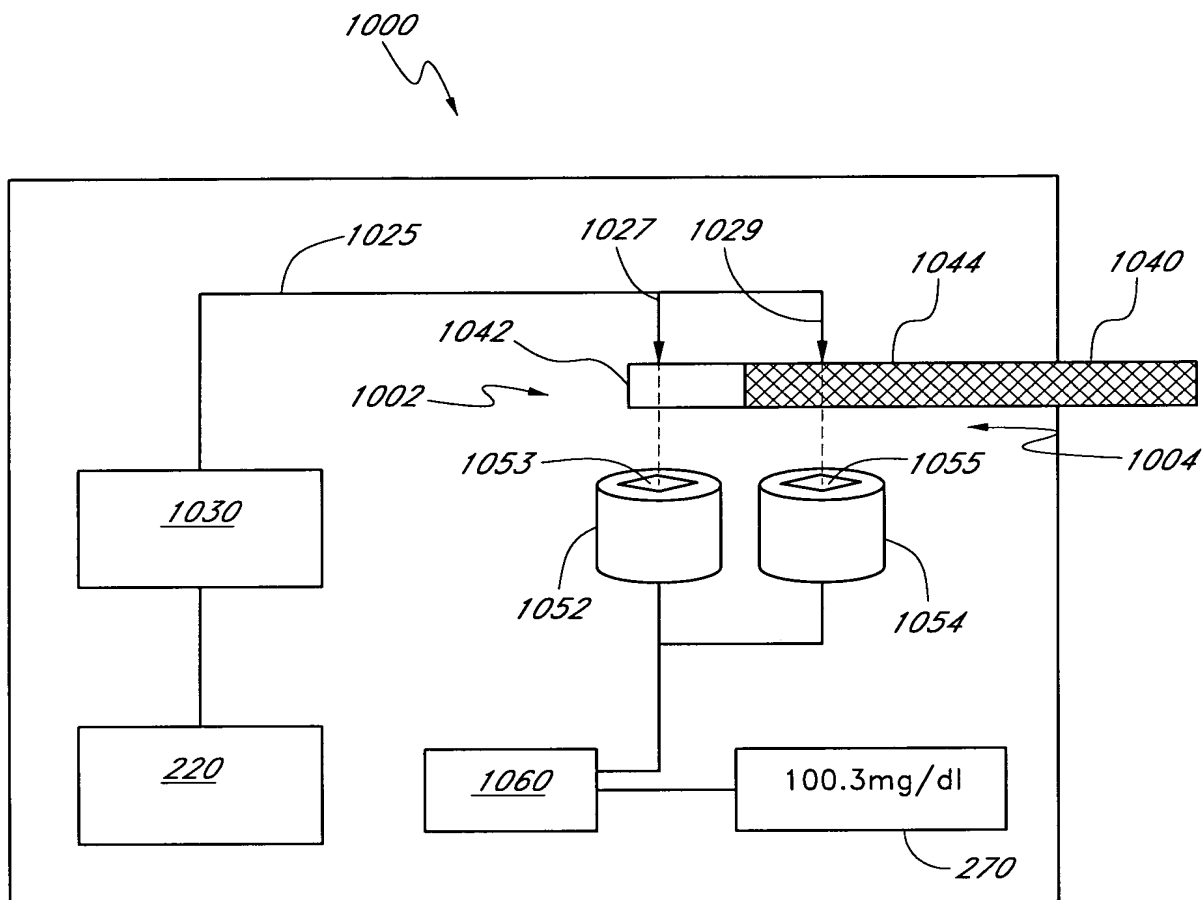
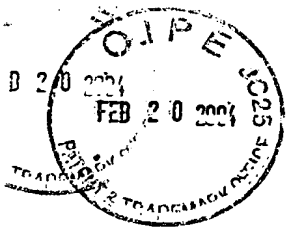


FIG.25



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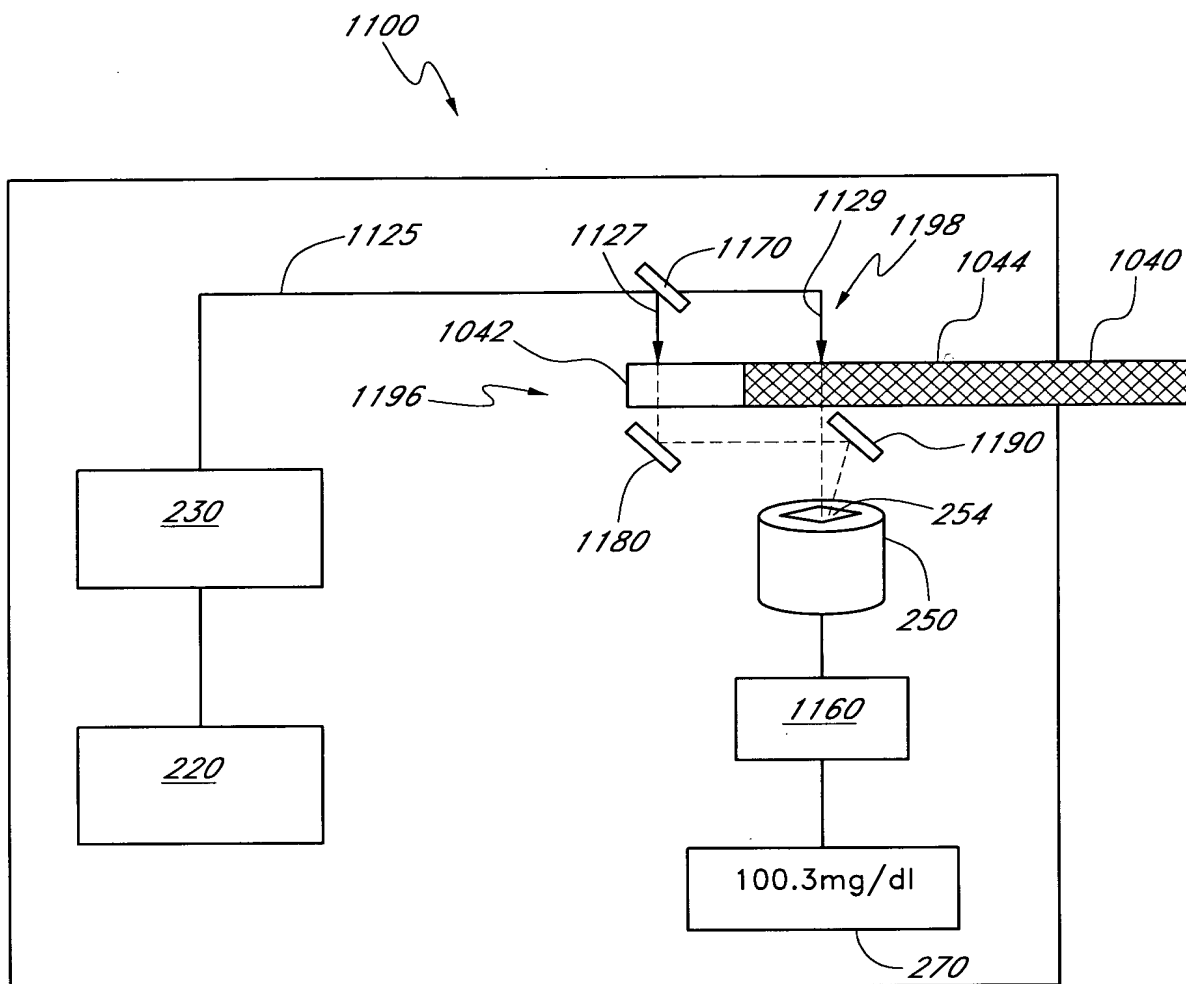
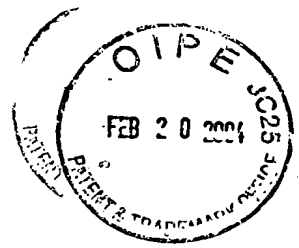


FIG.26



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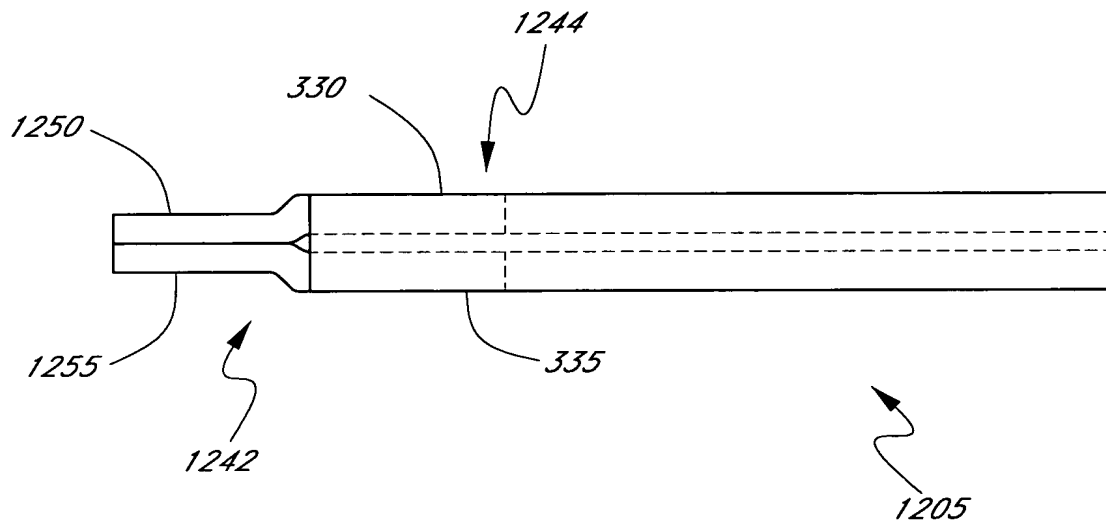


FIG. 27



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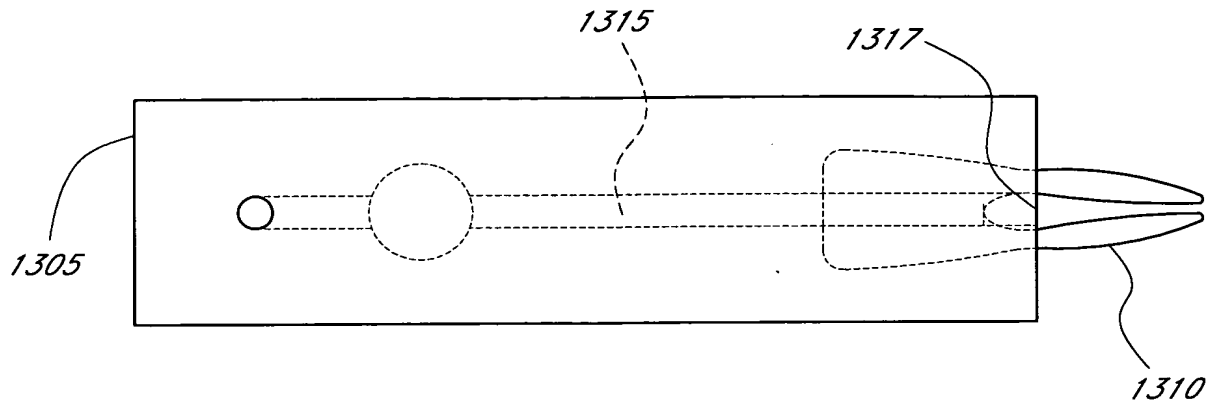


FIG. 28

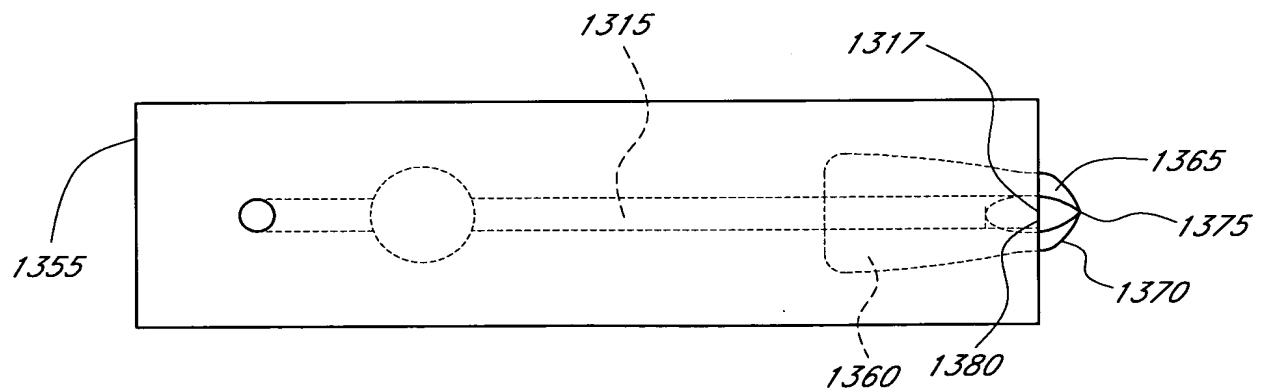


FIG. 28A



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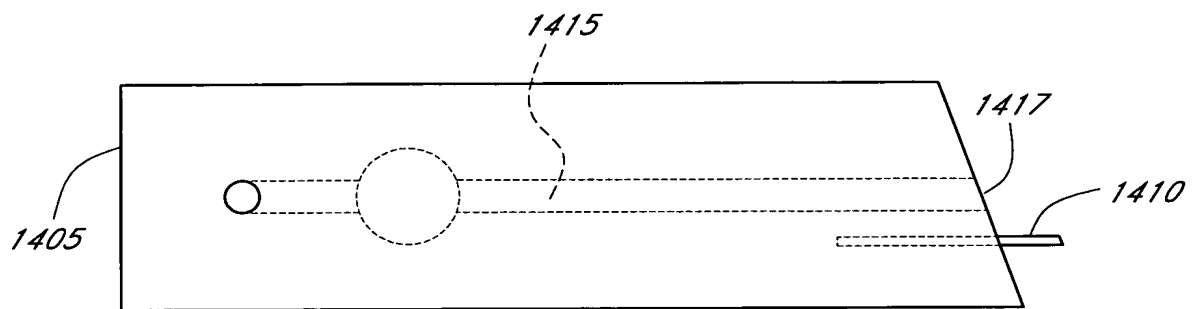


FIG. 29



REAGENT-LESS WHOLE-BLOOD GLUCOSE METER

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Error Vs. Measurement Time

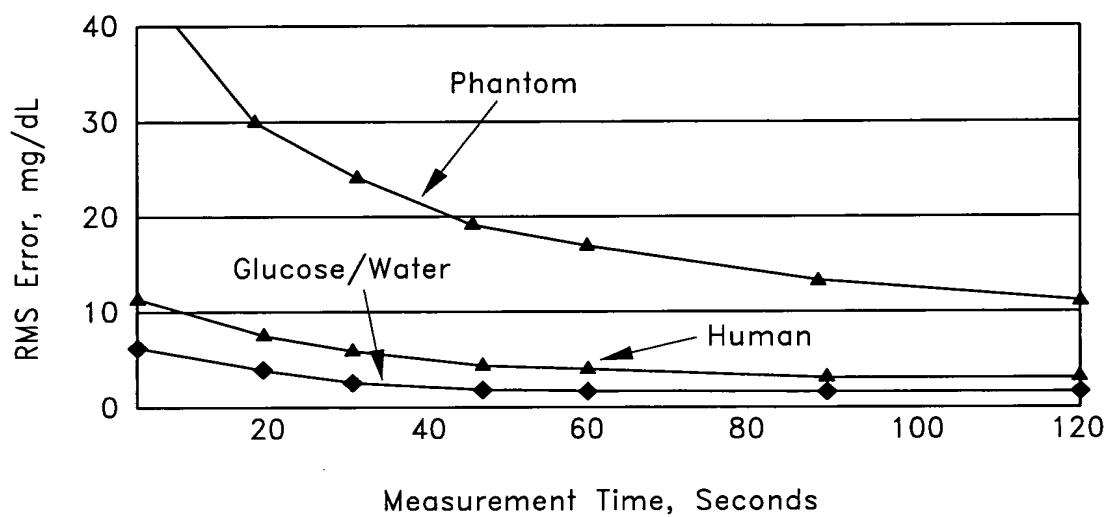


FIG.30